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Uber Pickups in New York City

Data we have:

1. Uber trip data from 2014 (April - September), separated by month, with detailed location information
2. Uber trip data from 2015 (January - June), with less fine-grained location information
3. Non-Uber FHV (For-Hire Vehicle) trips. The trip information varies by company, but can include day of trip, time of trip, pickup location, driver's for-hire license number, and vehicle's for-hire license number.
4. Aggregate ride and vehicle statistics for all FHV companies (and, occasionally, for taxi companies)

Platform:

Android Studio

Programming Languages:

- Java

Feature List (Questions of Interest):

Important features:

1. What are the peak hours for Uber pickups during the day?
2. What are the top-3 popular streets that get the most pickup requests?
3. How do popular streets change overtime during the day?
4. What is the cost of travel, considering distance and time?
5. What are the most popular destinations and starting points that are traveled by in some time frame?
6. What is the most used type/size of car requested in some time frame ?

Implement if we have time, because we need to use data outside of the database:

1. Let the driver know which rideshare application has the most number of requests at any given time.